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IFW \$ 2171

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Applicant(s): Keizaburo Sasaki et al.

Docket No.

15689.58

Application No.

09/667,084

Filing Date

September 21, 2000

Examiner

Not Yet Assigned

Customer No.

022913

Group Art Unit

2171

Inventor: DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE, GATEWAY AND COMMUNICATION APPARATUS

DEC 10 2004
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Transmittal for Information Disclosure Statement (2 pages; duplicate);
Information Disclosure Statement Under 37 C.F.R. § 1.97 (2 pages);
Form PTO-1449 Listing of References (1 page);
PTO 2038 Credit Card form \$180.00
Legible Copy of References; (7 references)
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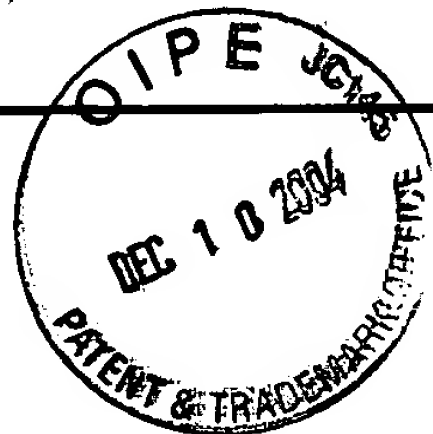
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
15689.58

In Re Application Of: **Keizaburo Sasaki et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
09/667,084	September 21, 2000	Not Yet Assigned	022913	2171	Unknown

Title: **DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE, GATEWAY
AND COMMUNICATION APPARATUS**



Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☒ the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
15689.58

In Re Application: Keizaburo Sasaki et al.

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09/667,084	September 21, 2000	Not Yet Assigned	022913	2171	Unknown

Title: DATA CONVERSION APPARATUS, SIGNAL, DATA CONVERSION METHOD, DCE, GATEWAY
AND COMMUNICATION APPARATUS

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 23-3178 as described below.
- ☐ Charge the amount of _____
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Dated: December 10th, 2004

ADRIAN J. LEE
Attorney for Applicant
Reg. No.: 42,785

CC:

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In re app

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Keizaburo Sasaki et al.

**Art Unit
2171**

Filed: September 21, 2000

For: DATA CONVERSION APPARATUS, SIGNAL,
DATA CONVERSION METHOD, DCE,
GATEWAY AND COMMUNICATION
APPARATUS

Customer No.: 022913

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

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Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

Since all listed references are either in the English language or are accompanied by a translation into English, no concise explanation of relevance is required under 37 C.F.R. § 1.98(a)(3).

((Promptness Certification or Submission Fee))
Under 37 C.F.R. § 1.97(c))

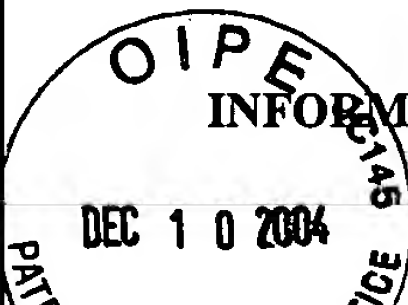
In accordance with 37 C.F.R. § 1.97(c), a PTO 2038 Credit Card form in the amount of \$180.00 is enclosed to secure consideration of the references submitted with this Information Disclosure Statement. Please credit any over payment or charge any additional fees to Deposit Account No. 23-3178 of the undersigned.

DATED December 9, 2004.

Respectfully submitted,



Adrian J. Lee
Attorney for Applicant
Registration No. 42,785
Customer No. 022913

 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>	Docket Number (Optional) 15689.58	Application Number 09/667,084
	Applicant(s) Keizaburo et al.	
	Filing Date September 21, 2000	Group Art Unit 2171

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1	5,870,540	2/9/1999	Wang et al.	395	183.19	11/20/1995
	2	4,792,940	12/20/1988	Hiraguchi	370	32.1	12/15/1986

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	3	WO 98/39934	9/11/1998	WIPO	H04Q3	00	✓	
	4	EP 0933898A1	8/4/1999	Europe	H04L12	28	✓	
	5	EP 0 378 400	7/18/1990	Europe	H04L29	06	✓	

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	6	Austrian Patent Office Service and Information Sector (TRF) Singapore Application No.: 200005369-4 (Supplementary) search report
	7	Austrian Patent Office Service and Information Sector (TRF) Singapore Application No.: 200005369-4 Search Report

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.